Tolerance Ratings

Order Ephemeroptera		**Order Plecoptera**		**Order Trichoptera**		**Order Odonata**	
Ameletid minnow mayfly	VL	Common stonefly	VL	Casemaker caddisfly	L	Broadwing damselfly	H
Armored mayfly	M	Giant stonefly	VL	Common netspinner	M	Clubtail dragonfly	M
Brush-legged mayfly	L	Green stonefly	L	Free-living caddisfly	L	Darner dragonfly	L
Burrowing mayfly	M	Large winter stonefly	L	Finger-net caddisfly	L	Narrowwing damselfly	M
Flatheaded mayfly	L	Little brown stonefly	L	Giantcase caddisfly	M	Skimmer dragonfly	L
Hackle-gilled mayfly	L	Patterned stonefly	VL	Goeridcase caddisfly	VL	Spiketail dragonfly	H
Primitive minnow mayfly	M	Roach-like stonefly	VL	Hoodedcase caddisfly	L	Spreadwing damselfly	H
Prong-gilled mayfly	L	Rolled-wing stonefly	L	Humplesscase caddisfly	**L**	**Order Diptera**	
Small minnow mayfly	M	Small winter stonefly	L	Longhorncase caddisfly	L	Biting midge	H
Spiny-crawler mayfly	**L**	**Order Megaloptera**		Northerncase caddisfly	L	Black fly	H
Stout-crawler mayfly	M	Alderfly	M	Pursecase caddisfly	M	Crane fly	M
Order Coleoptera		Hellgrammite/Fishfly	L	Saddlecase caddisfly	VL	Dance fly	M
Crawling water beetle	H	**Order Hemiptera**		Snailcase caddisfly	L	Dixid midge	M
Long-toed beetle	M	Backswimmer	U	Trumpet-net caddisfly	M	Horse fly	H
Predacious diving beetle	H	Giant water bug	VH	Tube-net caddisfly	L	Mosquito	VH
Reed beetle	H	Water boatman	VH	Uenoidcase caddisfly	M	Moth fly	VH
Riffle beetle	M	Water measurer	U	**Order Lepidoptera**		Net-wing midge	L
Water penny	L	Water scorpion	H	Aquatic moth	M	Non-biting midge	VH
Water scavenger beetle	H	Water striders	U	**Class Arachnida**		Phantom crane fly	H
Whirligig beetle	M	**Sub-phylum Crustacea**		Water mites	M	Rat-tailed maggot	VH
Class Gastropoda		Aquatic sowbug	H	**Phylum Annelida**		Solider fly	H
Bithynid snail	L	Crayfish	M	Aquatic worm	VH	Watersnipe fly	L
Limpet snail	H	Freshwater shrimp	M	Horsehair worm	VH	**Miscellaneous**	
Orb snail	M	Sideswimmer	M	Round worm	VH	Freshwater jellyfish	U
Pebble snail	L	**Class Bivalvia**		Leech	VH	Freshwater sponges	U
Pouch snail	H	Asian clam	M	**Class Turbellaria**		Springtails	U
Rock snail	M	Pea clam	M	Flatworms	H	Spongilliflies	U
Viviparid snail	M	Mussel	L				

Tolerance scale

Very low		Low		Moderate			High		Very high	
0	1	2	3	4	5	6	7	8	9	10

Narrative tolerance descriptions

Low: Occur with little or no disturbance to moderately disturbed conditions. Moderate: Occur from moderately to highly disturbed conditions but can also occur in less disturbed conditions. An overabundance (dominance) of moderate organisms is often a good indication of disturbance. High: Occur most often under disturbed conditions with only one or two groups may dominate the entire community. They are also found in good conditions, but usually in low numbers.

U (unknown)

Note: Members of the Order Hemiptera can use atmospheric oxygen by trapping air bubbles. In most cases we assume that tolerance is high because of their ability to survive in low oxygen environments due to this adaptation. Their tolerance in the benthos is generally not known, however they are important in many lentic systems.